

# Abstracts

## A New 3-Way Power Divider with Various Output Power Ratios

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J.-S. Lim and S.-Y. Eom. "A New 3-Way Power Divider with Various Output Power Ratios." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 785-788.

A new type of 3-way power divider which has various output power ratios is presented. This power divider without any internal resistors has completely planar structure and can be easily realized using microstrip substrates. This divider has extremely excellent matching at each port and isolation. The 3-way divider which has been fabricated as an example shows 1:1:1, 4:1:1, 3:2:1 output power ratios. This divider also shows it can be used as 2-way divider with 1:2, 1:1 ratios. All measured results are in good agreement with the predicted performances, and this structure is well extended to N-way power divider.

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